



KERALA HEALTH RESEARCH & WELFARE SOCIETY

(An Institution fully owned by the Government of Kerala)

Ref :

Date :

TENDER NOTICE

No. A3/0383/2022/KHRWS

KHRWS Head Office
RedCross Road
General Hospital Campus
Thiruvananthapuram

Sealed quotations are invited for the following item :

Sl. No.	Item	Quantity	Rate	GST
1	Holter recorders	3		

Holter Specification

Recorder

- With OLED Screen. (Resolution 160*128)
- Provided with functions of waveform preview before start recording.
- Event Switch for marking events while recording.
- Accurate record of the start time of the data sampled owing to the real time clock.
- Inbuilt TF card for storing data. (2 GB for saving original data)
- The average downloading and review time be less than 40 seconds, using USB 2.0 interface.
- Record the state of Pacemaker exactly by higher sampling frequency.
- International standard of 12 leads, record 24/48 hrs DECG with same standard of the ECG with single AAA alkaline battery.

Software

- Quick and accurate analysis system, works with Windows 10 and Mac.
- The 12 lead synchronal analysis to find accurate QRS search can be accurate and no distortion.
- Templates as Atrial pacemaker beat module, Ventricular premature beat module, Long interval module, Atrial flutter module, Atrial fibrillation module etc. and multiplicative User-defined templates can be.
- Flexible analysis channel selection, for choose any lead as the mainly analysis channel.
- Flexible Atrial fibrillation analysis for full segmented automatic and manual analysis for Atrial fibrillation quickly and accurate.
- All Pacemaker analysis (such as AAI, VVI, DDD etc.) can be analysis powerful pacemaker analysis function.
- Review and analysis, any of the single lead or 12 leads Electrocardiogram any time.
- Analysis of Heart Rate variability with short range of 5 minutes and long range of hour and 24 hours analysis of Heart Rate variability.
- One key printing with auto generated and editable final report.

- Advanced ST segment analysis and myocardial ischemia total load for the abnormal ST analysis according the whole and event for comprehensive judgment of myocardial ischemia.
- Unique "Sleep breath pause syndrome analysis for sleep breath pause risk.
- HRT analysis for predict the risk in patients with myocardial infarction.
- "T Wave alternation" analysis index to predict malignant arrhythmia and sudden cardiac arrest.
- With QT discrete degree analysis, Ventricular late potential analysis. Vector ECG analysis. Time Vector analysis and kinds of additional analysis function added for reporting reference value.
- Easy review of marked events.

Standard

- ✓ Number Channel : 12 Channel
- ✓ Sampling accuracy : 12 Bit
- ✓ Recording Time : 24/48 Hrs.
- ✓ Power : 1 AAA alkaline battery
- ✓ Interface : USB
- ✓ Scale Voltage : 1 mV $\pm$ 5%
- ✓ Standard Sensitivity : 10mm/mV $\pm$ 5%
- ✓ Noise level : $\leq$ 30 μ V;
- ✓ CMRR : $\geq$ 60dB;
- ✓ Low frequency Characteristics : Time constant $\geq$ 3.2s;
- ✓ Scan Speed : 25 mm/s $\pm$ 5%;
- ✓ Enduring Polarization voltage : $\pm$ 300 mV DC polarization voltage, sensitivity shift $\leq \pm$ 10%;
- ✓ Least measure signal : 50 μ V p-p;
- ✓ Product safety type : Type B (Internally powered);

The envelopes containing the Tender should bear the superscription "Tender for the Supply of Holter recorders" and should be addressed to the Managing Director, KHRWS, Red Cross Road, General Hospital Campus, Thiruvananthapuram. Intending tenderers may submit the quotations on their own papers. Last date for receipt of Tender is 19/07/2022, 3 pm. Late quotations will not be accepted.

The Tender will be opened at 4 pm on 20/07/2022 in the presence of such of the tenderers or their authorized representatives who may be present at that time. The maximum period required for the products should also be mentioned. The payment for the work will be sanctioned only after supplying the items satisfactorily.

Details of the requirements and the conditions governing their supply can be obtained free on request from the Managing Director, KHRWS, Red Cross Road, General Hospital Campus, Thiruvananthapuram, till 19/07/2022, 1.00 pm.

Place : General Hospital, Thiruvananthapuram
Date : 12.07.2022


for Finance Officer